

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041922\
 Data File : VU048129.D
 Acq On : 19 Apr 2022 09:54
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050088

Quant Time: Apr 20 02:04:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 19 03:36:43 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	355619	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	336622	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	218566	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	128197	49.711	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.420%
7) Chloroethane-d5	1.916	69	104218	51.253	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.500%
11) 1,1-Dichloroethene-d2	2.572	63	220533	46.741	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.480%
21) 2-Butanone-d5	4.623	46	196551	88.798	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.800%
24) Chloroform-d	5.067	84	234707	49.741	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.480%
26) 1,2-Dichloroethane-d4	5.703	65	138627	47.902	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.800%
32) Benzene-d6	5.732	84	459225	54.216	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.440%
36) 1,2-Dichloropropane-d6	6.694	67	146699	56.394	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	112.780%
41) Toluene-d8	7.899	98	419473	50.829	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.660%
43) trans-1,3-Dichloroprop...	8.182	79	64162	48.686	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.380%
47) 2-Hexanone-d5	8.636	63	123821	81.311	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	81.310%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	230519	51.636	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.280%
66) 1,2-Dichlorobenzene-d4	12.195	152	182826	47.017	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.040%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	152168	46.154	ug/L	99
3) Chloromethane	1.523	50	146286	46.396	ug/L	100
5) Vinyl chloride	1.607	62	161184	50.125	ug/L	100
6) Bromomethane	1.858	94	67385	38.933	ug/L	95
8) Chloroethane	1.935	64	99299	49.190	ug/L	98
9) Trichlorofluoromethane	2.141	101	215974	47.629	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	138198	52.725	ug/L	98
12) 1,1-Dichloroethene	2.584	96	120426	49.367	ug/L	88
13) Acetone	2.629	43	210385	102.137	ug/L	100
14) Carbon disulfide	2.800	76	311747	40.430	ug/L	100
15) Methyl Acetate	2.951	43	167782	51.081	ug/L	99
16) Methylene chloride	3.051	84	148601	53.086	ug/L	99
17) trans-1,2-Dichloroethene	3.356	96	130790	49.709	ug/L	98
18) Methyl tert-butyl Ether	3.366	73	392410	52.864	ug/L	99
19) 1,1-Dichloroethane	3.874	63	248800	54.829	ug/L	98
20) cis-1,2-Dichloroethene	4.671	96	150970	52.338	ug/L	100
22) 2-Butanone	4.703	43	267320	100.746	ug/L	97
23) Bromochloromethane	4.977	128	84992	53.665	ug/L	97
25) Chloroform	5.092	83	267189	54.690	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.797	62	194949	51.649	ug/L	99
29) Cyclohexane	5.391	56	179370	52.512	ug/L	97
30) 1,1,1-Trichloroethane	5.321	97	219062	57.392	ug/L	99
31) Carbon tetrachloride	5.530	117	190350	55.227	ug/L	99
33) Benzene	5.777	78	570093	58.509	ug/L	100
34) Trichloroethene	6.546	95	144830	56.696	ug/L	99
35) Methylcyclohexane	6.768	83	203855	52.456	ug/L	98
37) 1,2-Dichloropropane	6.793	63	155743	62.876	ug/L	100
38) Bromodichloromethane	7.108	83	201006	59.094	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	219414	57.089	ug/L	98
40) 4-Methyl-2-pentanone	7.793	43	406730	103.895	ug/L	98
42) Toluene	7.973	91	598598	55.990	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	211442	55.100	ug/L	98
45) 1,1,2-Trichloroethane	8.401	97	139765	53.203	ug/L	98
46) Tetrachloroethene	8.555	164	114246	49.768	ug/L	99
48) 2-Hexanone	8.687	43	320611	95.208	ug/L	99
49) Dibromochloromethane	8.813	129	160791	52.845	ug/L	99
50) 1,2-Dibromoethane	8.925	107	154914	52.601	ug/L	99
51) Chlorobenzene	9.449	112	377554	52.011	ug/L	100
52) Ethylbenzene	9.571	91	573782	51.042	ug/L	100
53) m,p-Xylene	9.697	106	232392	52.686	ug/L	100
54) o-Xylene	10.102	106	242801	56.086	ug/L	98
55) Styrene	10.115	104	430322	58.221	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.783	83	285462	57.963	ug/L	99
59) Bromoform	10.295	173	146002	52.240	ug/L	99
60) 1,2,3-Trichloropropane	10.825	75	219653	53.310	ug/L	98
61) Isopropylbenzene	10.488	105	631498	53.461	ug/L	100
62) 1,3,5-Trimethylbenzene	11.092	105	325045	50.716	ug/L	100
63) 1,2,4-Trimethylbenzene	11.472	105	509643	52.350	ug/L	99
64) 1,3-Dichlorobenzene	11.748	146	350091	53.322	ug/L	100
65) 1,4-Dichlorobenzene	11.838	146	354053	52.062	ug/L	100
67) 1,2-Dichlorobenzene	12.214	146	349274	53.166	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	66259	50.202	ug/L	98
69) 1,3,5-Trichlorobenzene	13.221	180	274320	51.446	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	235382	50.398	ug/L	100
71) Naphthalene	14.089	128	676495	48.583	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	244935	52.313	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

